



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: **Sira 11ATEX2265X** Issue: **1**

4 Equipment: **OE-Tel Burst Detector**

5 Applicant: **Elfab Ltd.**

6 Address: **Alder Road
West Chirton Industrial Estate
North Shields
Tyne & Wear
NE29 8SD UK**

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2006 EN 60079-11:2007 EN 60079-26:2007 EN 61241-11:2006
EN 60079-0:2009 – used in respect to marking

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 1GD

Ex ia IIC T6 Ga (Ta -40°C to +40°C)
T5 (Ta -40°C to +55°C)
T4 (Ta -40°C to +90°C)

Ex iaD IIIC T135°C Da
(Ta -40°C to +90°C)

Project Number 28331

C Ellaby
Deputy Certification Manager

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 11ATEX2265X
Issue 1

13 DESCRIPTION OF EQUIPMENT

The OE-Tel Burst Detector comprises a reed switch housed within a glass-filled nylon body with an integral cable providing connection facilities to external electrical circuits. It is used to detect when a rupture disc has operated. After rupture the whole unit must be replaced as the snap ring actuator will be broken. The equipment is designed to be supplied from a suitably certified intrinsically safe galvanic isolator. The equipment has the following safety description:

U_i = 30 V dc
I_i = 300 mA
P_i = 550mW
C_i = Negligible
L_i = 0

Variation 1 - This variation introduced the following change:

- i. The label size, material of construction and fixing adhesive were changed.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	11 October 2011	R25163A/00	The release of the prime certificate.
1	09 July 2012	R28331A/00	The introduction of Variation 1

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

- 15.1 When used in a zoned area, the apparatus shall be provided with a galvanically-isolated intrinsically safe supply.
- 15.2 The installer shall ensure that a dielectric strength at 500 Vrms between the apparatus and the plant earth (hazardous area earth) is carried out and that the current flowing does not exceed 5 mA. If the current exceeds this, or is expected to exceed this, then it must be assumed that the apparatus is not isolated from the local earth; this shall be considered during installation.
- 15.3 It is the installer's responsibility to ensure that invasion from non-intrinsically safe circuits is prevented; guidance from EN 60079-14 shall be followed with respect to the separation between terminals and wiring.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF CERTIFICATION

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.

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Sira Certification Service

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Certificate Annexe

Certificate Number: Sira 11ATEX2265X

Equipment: OE-Tel

Applicant: Elfab Ltd.



Issue 0

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
03/30/08339 SHT 1	1 of 1	O	12 Jul 11	OE4 Uni Gard Plug Devices CW OE Tel Detection
05/01/08374	1 of 1	A	12 Jul 11	OE Tel Assembly Drawing For ATEX Certificate
05/01/08327 SHT2	1 of 1	0	12 Jul 11	OE Tel Reed Switch Assembly Method
05/01/08327 SHT3	1 of 1	B	12 Jul 11	OE Tel Component Drawings
05/01/08327 SHT4	1 of 1	A	12 Jul 11	OE Tel Reed Switch Assembly Method
05/01/08327 SHT5	1 of 1	D	10 Oct 11	OE Tel Label

Issue 1

Drawing no.	Sheets	Rev.	Date (Sira stamp)	Title
05/01/08327 SHT 5	1 of 1	E	5 July 2012	OE-Tel Label

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